Traffic Impact Analyses NCDOT Guidelines
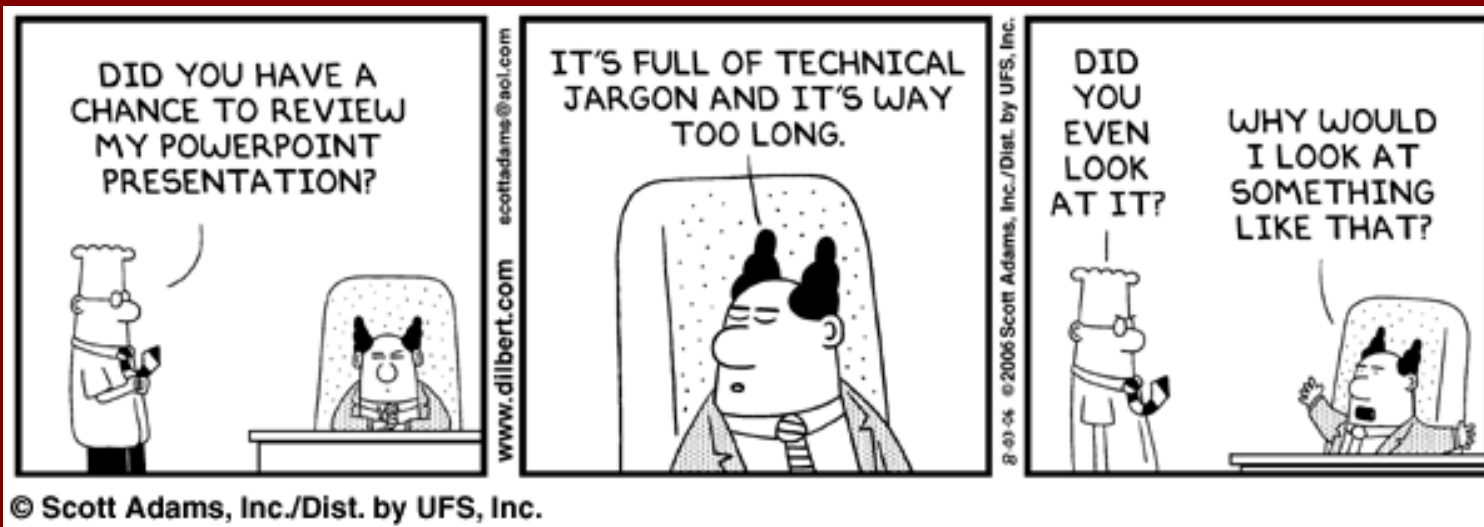

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DILBERT

Traffic Impact Analysis Trivia

- NCDOT TIA Guidelines
  - General
  - Trip Generation
  - Signalized Intersections
  - Additional

Q: Who should be your first point of contact when beginning a TIA for a proposed development?

a. Governor

b. District Engineer

c. State Traffic Engineer

d. Division Engineer

Q: A TIA may be required if a development generates 3,000 vpd or more. What type of development does <u>not</u> meet this threshold?

a. 350 room hotel

b. 150 single family homes

c. 250,000 sf of office

d. 55,000 sf of retail

Q: Which of the following applies to a submitted site plan?

a. Current, matches the TIA

b. To scale

c. Shows buildings identified as the proposed land use

d. All of the above

Q: In general, Traffic counts should be taken at each existing intersection. Which of the following does <u>not</u> apply?

a. Count within 12 months of the submittal

b. Count on a Monday or Friday

c. Count when schools are in session

d. Count AM & PM peak hours

Q: Which of the following items should be included for existing conditions?

a. Existing Lane configurations

b. Existing Signal Plans

c. Accident History

d. All of the above

Q: Which of the following is <u>not</u> considered a Strategic Highway Corridor facility type?

a. Secondary Road

b. Boulevard

c. Freeway

d. Expressway

Q: Additional scenarios may be required when….?

a. A break in the C/A is proposed

b. A new median crossover is proposed

c. A development impacts an active TIP Project

d. All of the above

Q: Which of the following is <u>not</u> a land use found in the ITE Trip Generation Manual?

a. Library

b. Post Office

c. Flea Market

d. Golf Course

Q: Which of the following is true of a pass-by trip reduction?

a. After Internal Capture reduction

b. Does not exceed 20% of adjacent street traffic

c. Before Internal Capture reduction

d. For Land Use Code in the 700s

Q: When is microsimulation useful?

a. To verify geometry & signal phasing

b. To determine storage lengths

c. To spot problem areas

d. **All of the above**

Q: For background and combined conditions, what yellow and red times should typically be used?

a. Yellow = 4, Red = 2

b. Yellow = 5, Red = 2

c. Yellow = 3, Red = 2

d. Yellow = 5, Red = 3

Q: What is the Ideal Saturation Flow Rate for a signalized intersections?

a. 1900 vphpl

b. 2000 vphpl

c.   1800 vphpl

d. 2100 vphpl

Q: What software should be used to evaluate roundabouts?

a. Synchro

b. HCS

c. aaSidra

d. None of the above

Q: Which of the following items should be included in the TIA Appendix?

a. Traffic Counts

b. Internal Capture Worksheets

c. Approved Development Info

d. All of the above

Q: Who is responsible for determining the final site mitigation improvements on a state maintained road?

a. Access Mgt. Engineer

b. Congestion Mgt. Engineer

c. District Engineer

d. All of the above

Intellectuals solve problems, Geniuses prevent them.

- Albert Einstein

Q: What ACC Team has scored the most points in a single football game?

a. Florida State

b. Virginia Tech

c. Miami

d. Georgia Tech

Q: Which two teams played in the first college football game?

a. Harvard and Cornell

b. Rutgers and Princeton

c. UCLA and Santa Clara

d. Michigan and Notre Dame

Let's Go

HOKIES !